

Amendments to the Specification

Please replace the paragraph at page 2, line 22 – page 3, line 15, with the following amended paragraph:

An oxidation gas chamber 11 is formed between a second separator plate 8 of a fuel cell 2 and a first separator plate 7 of an adjoining fuel cell 2, through which oxidation gas (direction of the arrow 12) can flow, so that oxidation gas can flow against the free surface of the cathode layer 4 protruding into the oxidation chamber 11. The contact layer 6 whose flat side is in contact with the cathode layer 4, as described above, touches with its second flat side, which faces the oxidation chamber 11, a flat side of the separator plate 8 of the adjoining individual fuel cell 2. All combustion gas chambers 9 of a fuel cell stack 1 are connected with each other by means of corresponding openings 13 in the first and second separator plates 7, 8. In an area between a second separator plate 8 and a first separator plate 7 of an adjoining individual combustion chamber 2, the combustion gas chambers 9 are separated in a gas-tight manner from the oxidation gas chambers 11 by means of a thin layer 14, so that a fuel supply conduit 15 and an outlet conduit 16 for the reaction products are formed. In this way combustion gas can be supplied to the combustion gas chambers 9 in the direction of the arrow 18 and flows through the latter along the direction of the arrow 10, wherein the combustion gas is oxidized in a fuel cell 2 along the anode layer 5 and can leave the fuel cell stack 1 again in the direction of the arrow 19 in the form of a reaction product. The oxidation gas is conducted through the oxidation gas chambers 11 via appropriately embodied supply and outlet conduits in a manner analogous to the combustion gas.